

Converting Colors

CIELCh(77, 56.020, 153.371)

Have a look what the booklet for
CIELCh(77, 56.020, 153.371)
contains.

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Color

CIELCh(77, 56.020, 153.371)

Conversions

Conversions Part 1

Format	Color
Hex	5BD58E
RGB	91, 213, 142
RGB Percent	36%, 84%, 56%
CMY	0.6448, 0.1663, 0.4446
CMYK	0.57, 0.00, 0.33, 0.17
HSL	145°, 59%, 59%
HSV	145°, 57%, 83%
XYZ	32.8208, 51.5317, 33.6626
YIQ	168.4280, -49.9210, -47.9450

Conversions

Conversions Part 2

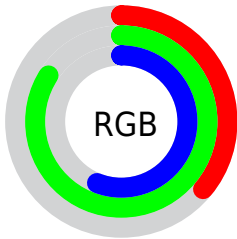
Format	Color
RYB	91, 177, 213
Decimal	6018446
CIELab	77.00, -50.08, 25.11
CIELCh	77, 56.020, 153.371
Yxy	51.5317, 0.2781, 0.4367
Android (android.graphics.Color)	4284208526 (0xFF5BD58E)
YUV	168.4280, -13.0290, -67.9044
Hunter-Lab	71.7856, -44.0137, 22.4470

Details

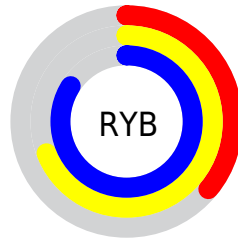
The CIELCh color **77, 56.020, 153.371** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle muted spring green. A complement of this color would be **56, 57.553, 345.230**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 47.065, 156.446**, and **57, 55.901, 153.374** is the 20% darker color. If you saturate the color by 10%, you get **76, 64.170, 151.751**, and if you desaturate by 10%, it is **78, 47.125, 154.794**.

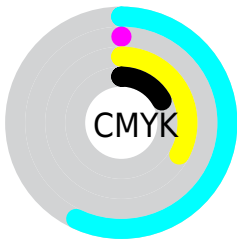
Distribution



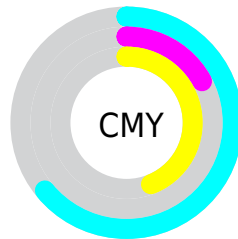
- Red (36%)
- Green (84%)
- Blue (56%)



- Red (36%)
- Yellow (69%)
- Blue (84%)



- Cyan (57%)
- Magenta (0%)
- Yellow (33%)
- Black (17%)





- Cyan (64%)
- Magenta (17%)
- Yellow (44%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 77, 56.020, 153.371 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 77, 56.020, 153.371 by changing the saturation by 10% instead.


 77, 56.020,
153.371


 77, 56.020,
153.371


 100, 56.020,
153.371


 67, 56.020,
153.371


 97, 56.020,
153.371

 57, 56.020,
153.371

 47, 56.020,
153.371

 37, 56.020,
153.371

 27, 56.020,
153.371

 17, 56.020,
153.371

 7, 56.020, 153.371

0, 56.020, 153.371

77, 56.020,
153.371

77, 56.020,
153.371

76, 64.170,
151.751

78, 47.125,
154.794

76, 71.439,
149.924

79, 37.652,
156.041

75, 77.751,
147.898

80, 27.782,
157.135

75, 83.132,
145.726

82, 17.683,
158.104

75, 84.441,
145.180

84, 7.503, 158.985

86, 2.637, 339.542

88, 12.644,

340.343

■ 89, 20.959,
337.187

■ 90, 25.698,
326.714

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



77, 56.020, 153.371



56, 57.553, 345.230

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77, 56.020, 153.371



77, 56.020, 203.371



77, 56.020, 333.371



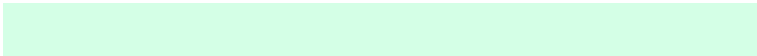
77, 56.020, 23.371

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



77, 56.021, 153.371



96, 20.026, 158.124



79, 64.692, 123.422



51, 13.393, 157.937



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



77, 56.021, 153.371



90, 75.635, 151.346



78, 36.703, 188.200



44, 5.796, 158.809



61, 71.181, 145.543



14, 25.118, 150.640

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



56, 57.553, 345.230



62, 76.436, 347.196



54, 52.354, 20.866



42, 5.848, 340.188



37, 64.298, 354.290



5, 24.518, 348.614

Previews

White Background



This preview shows how the CIELCh color 77, 56.020, 153.371 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 77, 56.020, 153.371 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

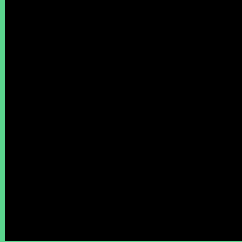
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 77, 56.020, 153.371

Background



This preview shows how black text looks on a background with the CIELCh color 77, 56.020, 153.371.

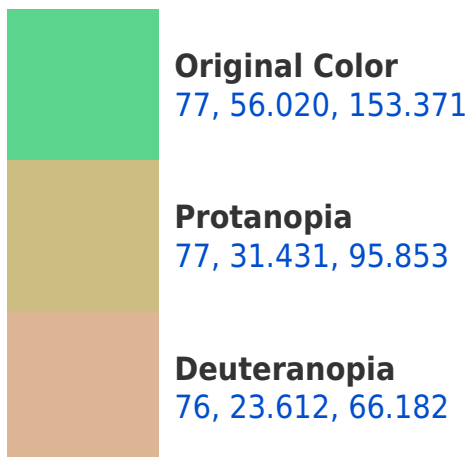


This preview shows how white text looks on a background with the CIELCh color 77, 56.020, 153.371.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy





Tritanopia
77, 27.959, 215.674

Trichromacy



Original Color
77, 56.020, 153.371



Protanomaly
76, 36.106, 129.535



Deuteranomaly
75, 25.666, 124.796



Tritanomaly
77, 33.207, 182.823

Monochromacy



Original Color
77, 56.020, 153.371



Achromatopsia
69, 0.009, 296.813



Achromatomaly
71, 21.746, 157.078

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 56.020, 153.371 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(91, 213, 142)` looks like.

```
.text, #text, p{  
    color:rgb(91, 213, 142)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(91, 213, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 213, 142) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 56.020, 153.371 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(91, 213, 142) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(91, 213, 142) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(91, 213, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 213, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 213, 142);  
box-shadow:4px 4px 4px 4px rgb(91, 213,  
142) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 56.020, 153.371 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 213, 142) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(91, 213,  
142) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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